



# Service Bulletin

Bulletin No.: 20-NA-161

Date: May, 2021

## INFORMATION

**Subject: Information on Engine Low Oil Pressure Indicator on the Driver Information Center (DIC) - DTC P0521 Set**

Brand:	Model:	Model Year:		Date Breakpoint:		Engine:	Transmission:
		from	to	from	to		
Chevrolet	Express	2019	2020	-	-	6.0L (L96 LC8)	-
	3500/4500 Medium Duty (LCF)		2019				
	Silverado 2500/3500		2019				
	Suburban		2019				
GMC	Savana		2020				
	Sierra 2500/3500	2019					

<b>Involved Region or Country</b>	North America, Middle East, Iraq, Israel, Palestine, Chile (West), Peru (West), Thailand (ASEAN)
<b>Condition</b>	<p>Some customers may comment on one or more of the following conditions:</p> <ul style="list-style-type: none"> <li>• MIL is illuminated.</li> <li>• Oil Pressure Indicator on.</li> </ul> <p>Some customers may also comment that the MIL illuminates and then turns off. Some technicians may find DTC P0521 (Engine Oil Pressure Sensor Performance) active or stored in history in the Engine Control Module (ECM).</p>
<b>Cause</b>	This condition may be caused by a sticking oil pressure relief valve within the oil pump assembly.
<b>Correction</b>	<p>If you encounter a vehicle with the above DTC or conditions and before replacing any parts, it will be necessary to follow the steps below to determine what failure mode may exist and what the correct repair procedure is:</p> <p>⇒ Remove the oil level indicator and confirm the oil level is at the full mark and not overfilled.</p> <p>If oil level is full, it will be necessary to follow the steps below:</p> <ul style="list-style-type: none"> <li>– Inspect the #1 main bearing for any damage. <ul style="list-style-type: none"> <li>• If the #1 main bearing is not damaged, then it will be necessary to replace the engine oil pump only.</li> <li>• If the #1 main bearing is damaged but not spun it will be necessary to replace the crankshaft, main bearings, rod bearings and the engine oil pump.</li> <li>• If the #1 main bearing was spun it will be necessary to replace the engine assembly.</li> </ul> </li> </ul> <p>When the applicable repair is complete road test vehicle to ensure engine is operating as designed.</p>

## Parts Information

Causal Part	Description	Part Number	Qty
X	PUMP, OIL	12696357	1
N/A	ENGINE, GASOLINE (SERV NEW) L96	19256594	1
N/A	ENGINE, GASOLINE (SERV NEW) LC8	12642269	1
N/A	CRANKSHAFT, (CROSS DRILLED CRANK)	12685656	1
N/A	BEARING KIT, CR/SHF (STD) (#3)	89017572	1
N/A	BEARING KIT, CR/SHF (#1,2,4, 5) (STD)	89017571	4
N/A	BEARING KIT, CONN ROD (STD)	89017573	8
N/A	GASKET, OIL PAN	12612350	1
N/A	SEAL, O/PMP SUC PIPE (O-RING)	12584922	1
N/A	HOUSING, CR/ SHF RR OIL SEAL	12639250	1
N/A	GASKET, CR/ SHF RR OIL SEAL HSG	12639249	1
N/A	BOLT, CR/SHF BALR (M16x2.0x103)	12557840	1
N/A	STUD, CR/SHF BRG CAP (HFH, M10x2x23)	12560273	10
N/A	BOLT, CR/SHF BRG CAP (SIDE) (SHORT) (M8x1.25x11)	12556127	10
N/A	BOLT, CR/SHF BRG CAP (M10x2x102.5)	12560272	10
N/A	GASKET, ENG FRT CVR	12633904	1

## Warranty Information

**Note:** Only use the Labor Operation number that coincides with the repair performed.

For vehicles repaired under warranty, use:

Labor Operation	Description	Labor Time
4066070	Oil Pump Replacement	Use the Published Labor Operations Time
4067490	Engine Replacement	
4066750	Crankshaft Replacement	

<b>Version</b>	2
<b>Modified</b>	Released November 30, 2020 Revised May 10, 2021 - Removed the Breakpoint Date, Changed the Correction section information and added #3 Crankshaft Bearing Part to Parts Information section.

